

Results of experimental investigations of extra-compressible compression elements enhanced by reinforced concrete

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Abstract

© Published under licence by IOP Publishing Ltd. The article considers a range of issues related to ensuring the compatibility of prefabricated and monolithic concrete in the case of reinforcement of eccentrically compressed elements with reinforced concrete cage. A calculation expression is presented to determine the required thickness of the gain from the condition of ensuring the strength of the shear joint. The main design expressions for testing the strength of the contact seam in the case of using keys and reinforcement by transverse reinforcement are considered. Based on the proposed theoretical premises, a program of experimental studies has been developed.

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